

16368



FEE TRANSMITTAL
for FY 2001
(Small Entity)

Complete if Known

| | | |
|-------------------------|------------|----------------------------|
| Application Number | | 09/453,801 |
| Filing Date | | December 3, 1999 |
| First Named Inventor | | Saswati CHATTERJEE, et al. |
| Examiner Name | | G. Leffers Jr. |
| Group Art Unit | | 1636 |
| Attorney Docket Number | | 1954-287 |
| Total Amount of Payment | (\$200.00) | |

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AUG 20 2002

METHOD OF PAYMENT (check one)

- ☒ The Commissioner is hereby authorized to charge additional fees and credit any overpayment to Deposit Account Number 02-2135 in the name of Rothwell, Figg, Ernst & Manbeck
- ☒ Charge any Additional Fee Required Under 37 CFR 1.16 and 1.17
- ☒ Applicant claims small entity status.
- ☒ Payment Enclosed:
 - ☒ Check
 - ☐ Credit Card

FEE CALCULATION (continued)

TECH CENTER 1600/2900

3. ADDITIONAL FEES

| Fee Code | Fee Paid | Fee Description | Fee Paid |
|---------------------|----------|--|----------|
| 205 | 65 | Surcharge - late filing fee or oath | [] |
| 227 | 25 | Surcharge - late provisional filing fee or cover sheet | [] |
| 139 | 130 | Non-English specification | [] |
| 147 | 2,520 | For filing a request for reexamination | [] |
| 112 | 920 | Requesting publication of SIR prior to Examiner action | [] |
| 113 | 1,840* | Requesting publication of SIR after Examiner action | [] |
| 215 | 55 | Extension for reply within first month | [] |
| 216 | 200 | Extension for reply within second month | [200] |
| 217 | 460 | Extension for reply within third month | [] |
| 218 | 720 | Extension for reply within fourth month | [] |
| 228 | 980 | Extension for reply within fifth month | [] |
| 219 | 160 | Notice of Appeal | [] |
| 220 | 160 | Filing a brief in support of an appeal | [] |
| 221 | 150 | Request for Oral Hearing | [] |
| 138 | 1,510 | Petition to institute a public use proceeding | [] |
| 240 | 55 | Petition to revive -unavoidable | [] |
| 241 | 640 | Petition to revive - unintentional | [] |
| 242 | 640 | Utility issue fee (or reissue) | [] |
| 243 | 230 | Design issue fee | [] |
| 244 | 310 | Plant issue fee | [] |
| 122 | 130 | Petitions to the Commissioner | [] |
| 123 | 50 | Processing fee under 37 CFR 1.17(q) | [] |
| 126 | 180 | Submission of Information Disclosure Statement | [] |
| 581 | 40 | Recording each patent assignment per property (times number of properties) | [] |
| 246 | 370 | Filing a submission after final rejection (37 CFR .129(a)) | [] |
| 249 | 370 | For each additional invention to be examined (37 CFR 1.129(b)) | [] |
| 279 | 370 | Request for Continued Examination (RCE) | [] |
| 169 | 900 | Request for expedited examination of a design application | [] |
| 195 | 300 | Publication fee for early, voluntary, or normal publication | [] |
| 196 | 300 | Publication fee for republication | [] |
| 089 | 200 | Filing an application for patent term adjustment | [] |
| 090 | 400 | Request for reinstatement of term reduced | [] |
| Other fee (specify) | | | [] |

FEE CALCULATION

1. FILING FEE

| Fee Code | Fee \$ | Fee Description | Fee Paid |
|----------|--------|------------------------|----------|
| 201 | 370 | Utility filing fee | [] |
| 206 | 165 | Design Filing Fee | [] |
| 207 | 255 | Plant Filing Fee | [] |
| 208 | 370 | Reissue Filing Fee | [] |
| 214 | 80 | Provisional Filing Fee | [] |

SUBTOTAL \$

2. CLAIMS

| | Extra Claims | Fee | Fee Paid |
|---------------------------|---------------------|----------|----------|
| Total Claims | [20] - 38** = [] | x \$ 9 = | [] |
| Independent Claims | [2] - 4** = [] | x 42 = | [] |
| Multiple Dependent Claims | | + 140 = | [] |

**or number previously paid, if greater;

SUBTOTAL \$

* Reduced by Basic Filing Fee Paid

SUBTOTAL

\$200

| | | | |
|----------------------|---------------------------------|--------------------------|-----------------|
| SUBMITTED BY | | Complete (if applicable) | |
| NAME AND REG. NUMBER | Martha Cassidy, Reg. No. 44,066 | | |
| SIGNATURE | | DATE | AUGUST 14, 2002 |
| | | DEPOSIT ACCOUNT USER ID | |



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AF/NE
E. Williams
8-21-02

| | | |
|---|-------------------------------|----------------------------------|
| IN THE UNITED STATES PATENT AND TRADEMARK OFFICE | <i>Application Number</i> | 09/453,801 |
| | <i>Filing Date</i> | 12/3/99 |
| | <i>First Named Inventor</i> | Saswati CHATTERJEE, et al. |
| | <i>Group Art Unit</i> | 1636 |
| | <i>Examiner Name</i> | G. Leffers, Jr. |
| | <i>Attorney Docket Number</i> | 1954-287 |
| <i>Title of the Invention:</i> A METHOD OF GENETICALLY MODIFYING VERY PRIMITIVE QUIESCENT HUMAN HEMATOPOIETIC STEM CELLS | | |

AMENDMENT

Assistant Commissioner for Patents
Washington, D.C. 20231

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TECH CENTER 1600/2900

Dear Sir:

In response to the final Office Action mailed April 9, 2002, Applicants request entry of the following amendments and reconsideration of the application.

In the Claims:

Please cancel claims 6, 11, 12 and 16 and amend claims 1, 2, 7, 13, 19-21 and 23 as follows:

Clean Copy of Amended Claims

1. (Amended) A method for stably transferring DNA into multi-potential hematopoietic stem cells in the G0 phase of the cell cycle, which comprises transducing said multi-potential hematopoietic stem cells with an adeno-associated virus vector that contains said DNA, wherein the transferred DNA remains integrated into the genome of the multi-potential hematopoietic stem cells for at least 4 weeks.

08/15/2002 SSITHIB1 00000054 09453801

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